

IN THE CLAIMS:

Please amend the claims as follows:

1 (currently amended). An apparatus, comprising:

a generally U-shaped clip comprising a base, a first arm and a second arm to form a channel;

a generally cylindrical sleeve to fit in said channel; and

an optical component positioned off center relative to a mechanical axis of said cylindrical sleeve.

2 (original). The apparatus as recited in claim 1 wherein said first arm is rigid and said second arm is flexible.

3 (original). The apparatus as recited in claim 2 wherein said second arm squeezes said sleeve against said first arm.

4 (original). The apparatus as recited in claim 1 wherein rotating said cylindrical sleeve about said mechanical axis within said channel alters x and y coordinates of said optical component.

5 (original). The apparatus as recited in claim 4 wherein sliding said

cylindrical sleeve up and down within said channel alters the y coordinates of said optical component.

6 (original). The apparatus as recited in claim 4 wherein sliding said cylindrical sleeve within said channel alters the z coordinates of said optical component.

7 (original). The apparatus as recited in claim 1 wherein said optical component comprises an optical fiber.

8 (original). The apparatus as recited in claim 1 wherein said optical component comprises a lens.

9 (currently amended). The apparatus as recited in claim 1 further comprising:
a plurality of U-shaped clips ~~in~~ positioned in series on said base each comprising a first arm and a second arm.

10 (original). The apparatus as recited in claim 1 further comprising:
a notch in said first arm to solder, epoxy or weld said sleeve in place.

11 (original). A method for aligning an optical component, comprising:
positioning an optical component in a cylindrical sleeve a distance

away from a mechanical axis of said cylindrical sleeve; and
rotating said sleeve within a channel to adjust said optical component
in a x direction and a y direction.

12 (original). The method as recited in claim 11, further comprising:

forming said channel with a generally U-shaped clip.

13 (original). The method as recited in claim 11 further comprising:

sliding said sleeve up and down with said channel to adjust said optical
component in said y direction.

14 (original). The method as recited in claim 11 further comprising:

sliding said sleeve back and forth within said channel to adjust said
optical component in a z direction.

15 (original). The method as recited in claim 12 further comprising:

affixing said sleeve to said clip.

16 (currently amended). A system for aligning optical components,
comprising:

a generally U-shaped clip comprising a base, a first arm and a second
arm to form a channel;

a generally cylindrical sleeve to fit in said channel;
a first optical component positioned off center relative to a mechanical axis of said cylindrical sleeve;
a second optical component, said first optical component aligned in translation along one degree-of-freedom with said second optical component by rotating said sleeve and aligned in translation along the two remaining degree-of-freedom by sliding said sleeve in said U shaped clip.

17 (original). A system for aligning optical components as recited in claim 16, further comprising:

a notch in one of said first arm and said second arm for securing said sleeve to said U-clip.

18 (original). A system for aligning optical components as recited in claim 17, wherein said first optical component comprises an optical fiber.

19 (original). A system for aligning optical components as recited in claim 18 wherein said second optical component comprises a laser diode.

20 (original). A system for aligning optical components as recited in claim 16 wherein said second arm is flexible.